

INFORMATION DISCLOSURE

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**FORM PTO-1449** 

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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APPLICANT

Yoshiki Sawa et al..

FILING DATE

GROUP ART UNIT Not Yet Assigned

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EXAMINER	DOCUMENT					TRANSLATION	
INITIAL	NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
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		et al., "Activation e, 21(13):4668-4		ctor- <i>k</i> B is a k	ey event in brain to	erance," The Jo	ournal

	of Neuroscience, 21(13):4668-4677 (2001).
$\bigvee$	Ueno, T., et al., "Nuclear factor—xB decoy attenuates neuronal damage after global brain ischemia: a future strategy for brain protection during circulatory arrest," The Journal of Thoracic and Cardiovascular Surgery, 122(4):720-727 (2001).
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**EXAMINER** 

Kevin K. Hill

DATE CONSIDERED Apr. 25, 2007

PTO/SB/08A (10-01)

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				Application Number	10/509,799	
INFORMATION DISCLOSURE			CLOSURE	371(c) Date	July 15, 2005	
STA	STATEMENT BY APPLICANT			First Named Inventor	Yoshiki Sawa et al.	
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NON PATENT LITERATURE DOCUMENTS						
Examiner Cite initials No.1			Include name of the author, title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published			
KK	ккн		Altschul et al., "Basic local alignment search tool," Journal of Molecular Biology, 215:403-410 (1990).			
		<del></del>	Aoki et al., "Effects of cerebroplegic solutions during hypothermic circulatory arrest and short-term recovery," Journal of Thoracic and Cardiovascular Surgery, 108:291-301 (1994).			
			Ardaillou et al., "Production et activite proinflammatoire de necrose tumorale alpha dans le glomerule," Bulletin de l'Academie Nationale de Medecine, 179:103-116 (1995).	English summary on pg. 112-113		
			Attiga et al., "Inhibitors of prostaglandin synthesis inhibit human prostate tumor cell invasiveness and reduce the release of matrix metalloproteinases," Cancer Research, 60:4629-4637 (2000).			
		•	Baeuerle et al., "Function and activation of NF-kB in the immune system,"  Annual Review of Immunology, 12:141-179 (1994).			
			Baker et al., "Matrix metalloproteinases, their tissue inhibitors and colorectal cancer staging," <i>British Journal of Surgery</i> , 87: 1215-1221 (2000).			
			Bellinger et al., "Developmental and neurologic status of children after heart surgery with hypothermic circulatory arrest or low-flow cardiopulmonary bypass," New England Journal of Medicine, 332:549-555 (1995).			
			Bond et al., "Synergistic upregulation of metalloproteinase-9 by growth factors and inflammatory cytokines: an absolute requirement for transcription factor NF-kappa B," FEBS Letters, 435(1):29-34 (1998).			
\	/		Bond et al., "Nuclear factor KB activity is essential for matrix metalloproteinase-1 and -3 upregulation in rabbit dermal fibroblasts," Biochemical and Biophysical Research Communications, 264:561-567 (1999).			

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		NON PATENT LITERATURE DOCUMENTS			
KK	н	Brunner et al., "Single bilayer vesicles prepared without sonication physico- chemical properties," <i>Biochimica et Biophysica Acta</i> , 455:322-331 (1976).			
		Cheng et al., "Caspase inhibitor affords neuroprotection with delayed administration in a rat model of neonatal hypoxic-ischemic brain injury,"  Journal of Clinical Investigation, 101:1992-1999 (1998).			
		Christman et al., "Nuclear factor kB: a pivotal role in the systemic inflammatory response syndrome and new target for therapy," Intensive Care Medicine 24:1131-1138 (1998).			
		Clemens et al., "Global cerebral ischemia activates nuclear factor-kB prior to evidence of DNA fragmentation," Molecular Brain Research, 48:187-196 (1997).			
		Cooper et al., "Myocardial nuclear factor-kB activity and nitric oxide production in rejecting cardiac allografts," <i>Transplantation</i> , 66(7):838-844 (1998).			
		Deamer, "Preparation and properties of ether-injection liposomes," Annals of the New York Academy of Sciences, 308:250-258 (1978).			
		Denhardt, "Oncogene-initiated aberrant signaling engenders the metastatic phenotype: synergistic transcription factor interactions are targets for cancer therapy," Critical Reviews in Oncogenesis, 7(3&4):261-291 (1996).			
		Depre et al., "Unloaded heart in vivo replicates fetal gene expression of cardiac hypertrophy," Nature Medicine, 4(11):1269-1275 (1998).			
		Eberhardt et al., "Amplification of IL-1β-induced matrix metalloproteinase-9 expression by superoxide in rat glomerular mesangial cells is mediated by increased activities of NF-κB and activating protein-1 and involves activation of the mitogen-activated protein kinase pathways," Journal of Immunology, 165:5788-5797 (2000).			
	/	Farias et al., "Plasma metalloproteinase activity is enhanced in the euglobulin fraction of breast and lung cancer patients," <i>International Journal of Cancer</i> , 89:389-394 (2000).			

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Sheet	3	of	7	Attorney Docket Number	ANGES-5	

	NON PATENT LITERATURE DOCUMENTS						
ккн	Gaetani et al., "Metalloproteases and intracranial vascular lesions,"  Neurological Research, 21:385-390 (1999).						
1	Grilli et al., "Neuroprotection by aspirin and sodium salicylate through blockade of NF-kB activation," Science, 274:1383-1385 (1996).						
	Hagihara et al., "Widespread gene transfection into the central nervous system of primates," Gene Therapy, 7:759-763 (2000).						
	Horikawa et al., "Association of latent membrane protein 1 and matrix metalloproteinase 9 with metastasis in nasopharyngeal carcinoma," Cancer, 89:715-723 (2000).						
	Howard et al., "NF-kB is activated and ICAM-1 gene expression is upregulated during reoxygenation of human brain endothelial cells," Neuroscience Letters, 248:199-203 (1998).						
	Ikeda et al., "Inhibition of gelatinolytic activity in tumor tissues by synthetic matrix metalloproteinase inhibitor: application of film in situ zymography," Clinical Cancer Research, 6:3290-3296 (2000).						
	Jia et al., "Suppression of human microvascular endothelial cell invasion and morphogenesis with synthetic matrixin inhibitors. Targeting angiogenesis with MMP inhibitors,". Advances in Experimental Medicine and Biology, 476: 181-194 (2002).	,					
	Jonas, "Hypothermia, circulatory arrest, and the pediatric brain," Journal of Cardiothoracic and Vascular Anesthesia, 10:66-74 (1996).						
	Kanda et al., "The role of the activated form of matrix metalloproteinase-2 in urothelial cancer," BJU International, 86:553-557 (2000)						
	Kim et al., "Lipopolysaccharide activates matrix metalloproteinase-2 in endothelial cells through an NF-kB-dependent pathway," Biochemical and Biophysical Research Communications, 269:401-405 (2000).						
V	Kirino, "Delayed neuronal death in the gerbil hippocampus following ischemia," Brain Research, 239:57-69 (1982).						

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Sheet	4	of	7	Attorney Docket Number	ANGES-5	

	NON PATENT LITERATURE DOCUMENTS						
ккн	Kirklin et al., "The damaging effects of total circulatory arrest during hypothermia," Cardiac Surgery, 1:66-73 (1993).						
	Kuner et al., "β-amyloid binds to p75NTR and activates NFκB in human nueroblastoma cells," Journal of Neuroscience Research, 54:798-804 (1998).						
	Kurth et al., "Regional patterns of neuronal death after deep hypothermic circulatory arrest in newborn pigs," Journal of Thoracic Cardiovascular Surgery, 118:1068-1077 (1999).						
	La Rosa et al., "Differential regulation of the c-myc oncogene promoter by the NF-kB rel family of transcription factors," <i>Molecular and Cellular Biology</i> , 14(2):1039-1044 (1994).						
	Lenardo et al., "NF-kB: A pleiotropic mediator of inducible and tissue-specific gene control," Cell, 58:227-229 (1989).	ļ					
	Libermann et al., "Activation of interleukin-6 gene expression through NF-kB transcription factor," Molecular and Cellular Biology, 10(5):2327-2334 (1990).						
	Lin et al., "Cancer chemoprevention by tea polyphenols through mitotic signal transduction blockade," Biochemical Pharmacology, 58:911-915 (1999).						
	Mann et al., "Ex-vivo gene therapy of human vascular bypass grafts with E2F decoy: the PREVENT single-centre, randomised, controlled trial," <i>Lancet</i> , 354:1493-1498 (1999).						
	Marti HP, "New strategy to treat glomerular inflammation by inhibition of mesangial cell matrix metalloproteinases," Schweiz Med Wochenschr, 130(21): 784-788 (2000).						
	Morishita et al., "A gene therapy strategy using a transcription factor decoy of the E2F binding site inhibits smooth muscle proliferation in vivo," Proceedings of the National Academy of Sciences of the United States of America, 92:5855-5859 (1995).						

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	NON PATENT LITERATURE DOCUMENTS	
ккн	Morishita et al., "Novel strategy of gene therapy in cardiovascular disease with HVJ-liposome method," Progression of Chronic Renal Diseases, Contributions to Nephrology, 118:254-264 (1996).	
1	Morishita et al., "In vivo transfection of cis element "decoy" against nuclear factor-kB binding site prevents myocardial infarction," Nature Medicine, 3(8):894-899 (1997).	
	Neish et al., "Function analysis of the human vascular cell adhesion molecule 1 promoter," Journal of Experimental Medicine, 176:1583-1593 (1992).	
	Ono et al., "Decoy administration of NF-kappaB into the subarachnoid space for cerebral angiopathy," Human Gene Therapy, 9(7):1003-1011 (1998).  Erratum in: Human Gene Therapy 10(2):335 (1999).	
	Pellegrini et al., "Simultaneous measurement of soluble carcinoembryonic antigen and the tissue inhibitor of metalloproteinase TIMP1 serum levels for use as markers of pre-invasive to invasive colorectal cancer," Cancer Immunology Immunotherapy, 49:388-394 (2000).	
	Peters et al., "Functional polymorphism in the matrix metalloproteinase-9 promoter as a potential risk factor for intracranial aneurysm," <i>Stroke</i> , 30:2612-2616 (1999).	
	Preston et al., "Evidence for pore-like opening of the blood-brain barrier following forebrian ischemia in rats," Brain Research, 761:4-10 (1997)	
	Rappaport et al., "Relation of seizures after cardiac surgery in early infancy to neurodevelopmental outcome," Circulation, 97:773-779 (1998).	
	Rayet et al., "Aberrant rel/nfkb genes and activity in human cancer," Oncogene, 18:6938-6947 (1999).	
	Reich et al., "Cardiopulmonary support and physiology," Journal of Thoracic and Cardiovascular Surgery, 117:156-163 (1999).	
$ \Psi $	Royds et al., "Response of tumour cells to hypoxia: Role of p53 and NFkB,"  Journal of Clinical Pathology: Molecular Pathology, 51:55-61 (1998).	

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	NON PATENT LITERATURE DOCUMENTS	
ккн	Sakata et al., "Expression of matrix metalloproteinases (MMP-2, MMP-9, MT1-MMP) and their inhibitors (TIMP-1, TIMP-2) in common epithelial tumors of the ovary," <i>International Journal of Oncology</i> , 17:673-681 (2000).	
	Satriano et al., "Activation and attenuation of transcription factor NF-kB in mouse glomerular mesangial cells in response to tumor necrosis factor-\alpha, immunoglobulin G, and adenosine 3':5'-cyclic monophospate," Journal of Clinical Investigation, 94:1629-1636 (1994).	
	Sawa et al., "A povel strategy for myocardial protection using in vivo transfection of cis element 'decoy' against NFEB binding site," Circulation, 96(9):II-280-285 (1997).	
	Schneider et al., "NF-kB is activated and promotes cell death in focal cerebral ischemia," Nature Medicine, 5(5):554-559 (1999).	
	Schreck et al., "Reactive oxygen intermediates as apparently widely used messengers in the activation of the NF-kB transcription factor and HIV-1," The EMBO Journal, 10(8):2247-2258 (1991).	
	Schulze-Osthoff et al., "Regulation of NF-kB activation by MAP kinase cascades," <i>Immunobiology</i> , 198:35-49 (1997).	
	Shin et al., "Effects of tumor necrosis factor-α and interferon-γ on expression of matrix metalloproteinase-2 and -9 in human bladder cancer cells," Cancer Letters, 159:127-134 (2000).	·
	Stephenson et al., "Transcription factor nuclear factor-kappa B is activated in neurons after focal cerebral ischemia," Journal of Cerebral Blood Flow and Metabolism, 20:592-603 (2000).	
V	Sullenger et al., "Analysis of trans-acting response decoy RNA-mediated inhibition of human immunodeficiency virus type 1 transactivation," <i>Journal of Virology</i> , 65(12):6811-6816 (1991).	

Examiner Signature	Kevin K. Hill	Date Considered Apr. 25, 2007	

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STATEMENT BY APPLICANT				First Named Inventor	Yoshiki Sawa et al.	
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(use as many sheets as necessary)			necessary)	Examiner Name	Not Yet Assigned	
Sheet	7	of	7	Attorney Docket Number	ANGES-5	

	NON PATENT LITERATURE DOCUMENTS	
ккн	Szoka et al., "Preparation of unilamellar liposomes of intermediate size (0.1-0.2 µm) by a combination of reverse phase evaporation and extrusion through polycarbonate membranes," <i>Biochimica et Biophysica Acta</i> , 601:559-571 (1980).	
	Tomita et al., "Transcription factor decoy for NFκB inhibits TNF-α-induced cytokine and adhesion molecule expression in vivo," Gene Therapy, 7:1326-1332 (2000).	
	Tomita et al., "Transcription factor decoy for NFkB inhibits cytokine and adhesion molecule expressions in synovial cells derived from rheumatoid arthritis," Rheumatology, 39:749-757 (2000).	
	Torre et al., "Partial or global rat brain ischemia: the SCOT model," Brain Research Bulletin, 26:365-372 (1991).	
	Trehame et al., "Marimastat inhibits elastin degradation and matrix metalloproteinase 2 activity in a model of aneurysm disease," <i>British Journal of Surgery</i> , 86:1053-1058 (1999).	
	Turner et al., "Role of matrix metalloproteinase 9 in pituitary tumor behavior," Journal of Clinical Endocrinology & Metabolism, 85(8):2931-2935 (2000).	
	Vanicky et al., "Alterations in MAP2 immunostainability after proloned complete brain ischemia in the rat," NeuroReport, 7:161-164 (1995).	
	Vogt et al., "Oxidative stress and hypoxia/reoxygenation trigger CD95 (APO-1/Fas) ligand expression in microglial cells," FEBS Letters, 429:67-72 (1998).	
V	Wu et al., "NF-kB activation of p53," Journal of Biological Chemistry, 269(31)20067-20074 (1994).	

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